

ICS 209 (Oil Spill) - Incident Status Summary										Version Name: 20191231							
Incident Name: South 4 Group Fire										Period: Period 16 [12/19/2019 06:00 - 01/31/2020 06:00]							
Spill Status (Estimated)										Equipment Resources							
Source Status		Remaining potential		151,740		Kind		Ordered	Available	Assigned	Out-Of-Service	Total Count					
SECURED		Rate of spillage		0 barrel(s)		Air Monitor - MultiRAE		0	0	10	0	10					
		Volumes measured in		barrel(s)		Air Monitor - UltraRAE		0	0	0	0	0					
		Since Last Report		Total		Boom		0	1	2,000	0	2,001					
Total Volume Spilled		0		999		Fire Fighting Foam		0	1,590	0	0	1,590					
Mass Balance (Estimated)										Volumes in gallon(s)							
Recovered Material (Liquid)		15,000		76,500		Jon Boat		0	0	3	1	4					
Foam		0		1,320		Pumps		2	21	35	0	58					
Combusted Material (bbl)		0		48,970		Response Boat		0	0	2	0	2					
Waste (Estimated)										Skimmer			0	17	1	0	18
Type		Recovered	Stored	Disposed	UOM	Sorbent: Boom		0	50	8,350	0	8,400					
Sorbent: Boom		13,720			Feet	UTV		0	0	1	1	2					
Debris		1,293			Bags	Vacuum Truck		0	0	9	3	12					
Liquid		222,475			gallon (s)	Vehicle		4	17	108	1	130					
						Viscous Sweep		0	0	250	0	250					
Shoreline Impacts										Distances measured in mile(s)							
Degree of Oiling		Affected	Cleaned	Remaining to be Cleaned		Organization		People in the Field	People in Cmd. Post	Total People On Scene							
						Other		6	0	6							
Wildlife Impacts										Personnel Resources							
				Died In Facility		Federal		0	0	0							
Type	Captured	Cleaned	Released	DOA	Euth.	Other	State		1	0	1						
Fish Above 3"	0	0	0	68	0	0	Local		8	0	8						
Bird	0	0	0	0	0	0	RP		119	37	156						
Mammal	0	0	0	0	0	0	Contract Personnel		396	41	437						
Reptile	0	0	0	1	0	0	Totals		530	78	608						
2-3" Fish	0	0	0	2,000	0	0	Special Notes										
Blue Crab	0	0	0	18	0	0	Active Fires: 1										
Pig				2			Notes:										
Turtle				1			*Spilled material based on 98% destruction efficiency of the fire.										
Safety Status										NO CIR's							
Type		Amount since last report		Total Amount													
Public Injury		0		0													
Responder Injury		1		5													
Community Air Readings for all analytes		0		114,000													
BD - Community Air Detections above action level		0		238													
Community Air Monitoring readings for Butadiene				40,429													
VOC - Community Air Detections above action level		0		11													
ICS 209 (Oil Spill) - Incident Status Summary										Prepared By Planning Section, Updated 12/31/2019 21:14 UTC -6: PP							
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Version Name: 20191231

Incident Name: South 4 Group Fire

Period: Period 16 [12/19/2019 06:00 - 01/31/2020 06:00]

Safety Status	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

Type	Amount since last report	Total Amount
Community Air Monitoring readings for VOC		40,696

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2 of 7

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Daily Summary – TPC Port Neches South 4 Group Fire

12/31/2019

The waterway has now transitioned to Maintenance and Monitoring Mode

Shoreline Impacts	Assessed, miles	In Remediation, miles	Sign Off
No Oil Observed	4.96		4.96
Light Oil	1.05		1.05
SCAT Recommends No Further Treatment	2.58		2.58

- The Dock Flare Line was purged 12/30/2019 per the approved plan, routing the vapors to the flare for combustion. A flame was present.
- There were no CIR's issued on 12/31/2019.
- No new leaks were identified.
- There were five readings above detection for BD along Highway 136 near Grigsby. None of the readings were above action limits or sustained. Based on the wind direction, the source was likely from off-site. Community air monitoring for Butadiene and VOC continues to be performed 24/7 within the ½-mile radius of the site.
- Water, totaling approximately 2400 gpm, continues to be sprayed on 3 areas to help reduce concentrations of butadiene within the work zone. We are monitoring the 201 Outfall frequently to minimize any overflow of the weir.
- Progress:
 - The Nitrogen Header Purge Plan was approved.
 - The PHA for De-Inventory was started
 - Preparation for connecting the Thermal Oxidizer began
- Work Zone recovery of PACM/ACM material continued. Wipe tests were collected per the Building ACM Plan. The level of PPE required to be worn when entering buildings, based on recommendations by toxicologists and other stakeholders, continues to be air purifying respirator with organic vapor and P-100 cartridge and disposable protective suit.
- There was no DEHA injection on 12/31.
- The drone flew routine routes observing the waterways and performing the daily tank inventory. There were no issues identified.
- The following table provides a list of ongoing leaks have been identified on lines associated with the following:

Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
39	Raffinate	Flange on line east of sphere 39	
40	Raffinate	Tubing valve	12/14/2019
36	High Butane Raffinate	Flange on tank	
33	High Butane Raffinate	Tubing fitting. Leak under tank not accessible.	
35	High Butane Raffinate	Tubing leak	
90 & 91	High Purity Butadiene	Leak on common suction line, 092 that runs N to S	
26	Crude C4	Line leak, attempted repair with clamp	12/14/2019
30	Water and NMP Solvent	Tubing fitting	12/13/2019
219	MTBE	Vacuum Breaker, Intermittent	
2" Flange SE corner of block 10	Assumed BD	Flange	

Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
6" valve at block 5 on 3 rd street	Raff	Valve	12/17/2019
Tank 42 Relief Valve	Raff	Relief Valve	
2-Six-inch line leaks where Tank 34	Raffinate, High BD	Line Leak	
1-6" Line (originally thought to be 2-10" lines to process compressor)	High BD concentration,	Damaged piping	
Tank 220	MTBE	Vacuum Breaker	
3" Line in Block 5	Assumed BD	Line Leak	
3" flange SW of 33tk on 2 nd St.	Assumed BD	Flange	
Sphere 38	Polyblend	Telltale Line	

- The Outfall Canal remains in Monitoring and Maintenance mode. Water was approximately 1' below the Outfall 201 weir.

Upcoming Activities

- US Coast Guard will conduct a full inspection at the dock before the system is utilized for loading operations. Plans are being implemented to prepare the dock line for the hydrostatic testing. Currently the plan is to conduct the hydrotest on 1/1/2020.
- Monitoring of the schools has been suspended during Holiday Break, but the area will continue to be monitored as part of the 1/2 -mile radius Air Monitoring Plan.
- The Potential Asbestos Containing Material (PACM) Cleanup Team continues collecting material found on the ground, per the approved plan. They will continue the work but will not remediate the area or disturb the evidence. The teams, comprised of approximately 38 people, started at the north end of the site and have completed the removal from several blocks. Material will continue to be removed in a planned manner until the whole site has been completed.
- The Technical Teams continue to develop and review the plans that are being developed ultimately de-inventory equipment at the site.

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Health and Safety

- No issues.

Water Effluent

- Status of 201: 1' below the weir.
- GPM to JWWTP: 3100 gpm.

Water Testing: Analytical summaries were provided 12/30

- As of December 28, 2019, a total of 231 surface water samples have been collected at 21 different locations for VOCs, SVOCs, PAH, PFAS, TPH, TOC, oil and grease, ethylene glycol, and asbestos analysis. Results of these analyses are not representative of drinking water sources.

- As of December 28, 2019, 215 surface water sample results have been received for VOC analysis and 131 results received for asbestos analysis.
- There have been no exceedances of TCEQ Contact Recreation Water Protective Concentration Limit (PCL) screening levels for the surface water samples with available PCLs. Where no PCLs are available, results are being compared to background surface water samples.

Wildlife Report

- There were no Wildlife reports on 12/31/2019

Recovery Operations

- Routine monitoring.

SCAT Report

- Maintenance and Monitoring Plan is in effect.

Waste

No changes 12/31/2019.

Profiles are being finalized and disposal options identified for the waste that has been collected outside of the site.

Gallons	Frac Tanks (20,000 gallons capacity)	# Of Tanks Used
177,500	Liquids from outfall canal skimming	9
10,000	Water and hydrocarbons from south separator	.5
30,000	Latex-laden Wastewater from LION	1.5
15,000	Hydrocarbons from API Separator	0.75
250	Wash Water from decon at Vallen Trailer	0.1
10,000	Liquids from Second Street Ditch	0.5
	Empty Available and Staged	5
235,250	Totals	19

CYD's	Roll Off Boxes (25 CYD's capacity)	# Of Boxes Used
225	Hydrocarbon Debris and Sorbents from Canal	11
225	Totals	11

Empty available and staged (requested 4 more) 2

CYD's	Potential Asbestos Containing Material (PACM)	# Of Boxes Used
12.5	Material from 201 outfall and south separator	0.5
30	Motiva (1-full, 1-in use)	2
6.25	Joint Waste Water	1
48.75	Totals	4

	Other	
	Routine Plant Trash (Garbage)	1
	Dirty Containment Boom waiting on decon	0

Worksite Air Monitoring

During this reporting period, no detections of VOCs above the site-specific action levels approved by UC were observed. No detections of 1,3-butadiene or %LEL were observed within the work area during this reporting period.

Community Air Monitoring

Please note: Air monitoring samples will continue to be collected, but analytical results will be reported once per week on Monday.

Asbestos Monitoring

Community Updated 12/31

- Wipe samples: Sixteen of the 385 samples collected have been positive for asbestos
- Bulk Sampling: 184 of 395 samples tested positive for asbestos

Air Monitoring Sampling Results

Community

The analytical information below represents data updated 12/20

Analytical	Detections	Samples Collected	Sample Stations
Volatile Organic Compounds (VOC)*	2*	572	54
Poly Aromatic Hydrocarbons (PAH)	2	476	28
Asbestos	1	947	44

2* There were detectable amounts of VOC, but two were above the Texas Commission on Environmental Quality (TCEQ) 24-hour AMCV (430 ppb), however below the TCEQ short-term AMCV (1,700 ppb).

Community Assessments

Please reference the next page for this community assessment information.

Community Property Assessment Summary

284

116

232

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Community Property Assessment Summary - Jefferson

252

110

202

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Community Property Assessment Summary - Orange

32

6

30

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Completed Property Assessments Property Type Sum

Type	# of Properties
Commercial/Business	2
Multi-family Residence	3
Single Family Home	279
	284